

Proposal for a Canadian Historical GIS Network

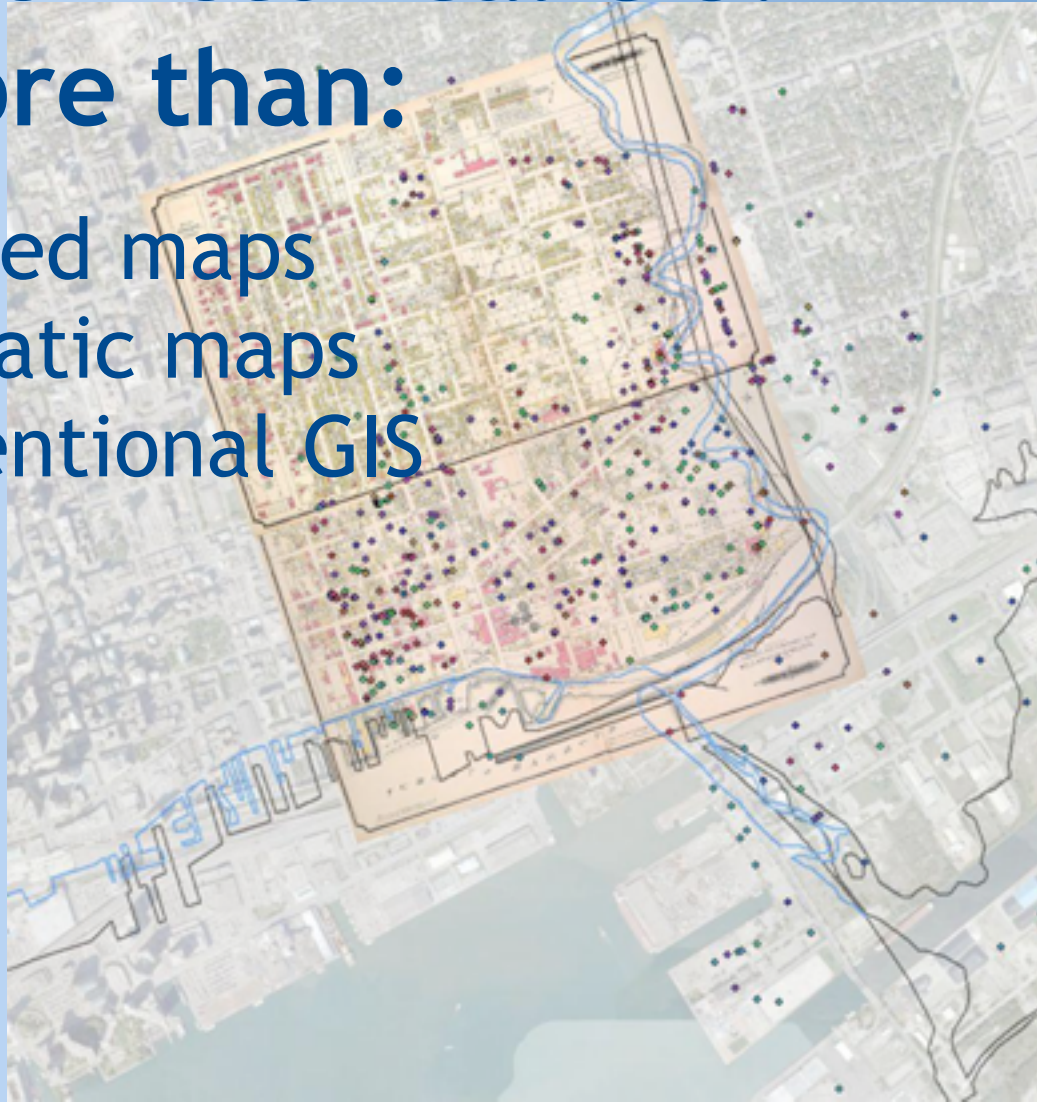
CARTO 2013

Marcel Fortin
Byron Moldofsky
University of Toronto
June 14, 2013

What is Historical GIS?

it's more than:

- Scanned maps
- Thematic maps
- Conventional GIS



HGIS is

"...new knowledge and new scholarship
about the geographies of the past."
Ian Gregory, 2008

HGIS is

GIS resources designed for doing history

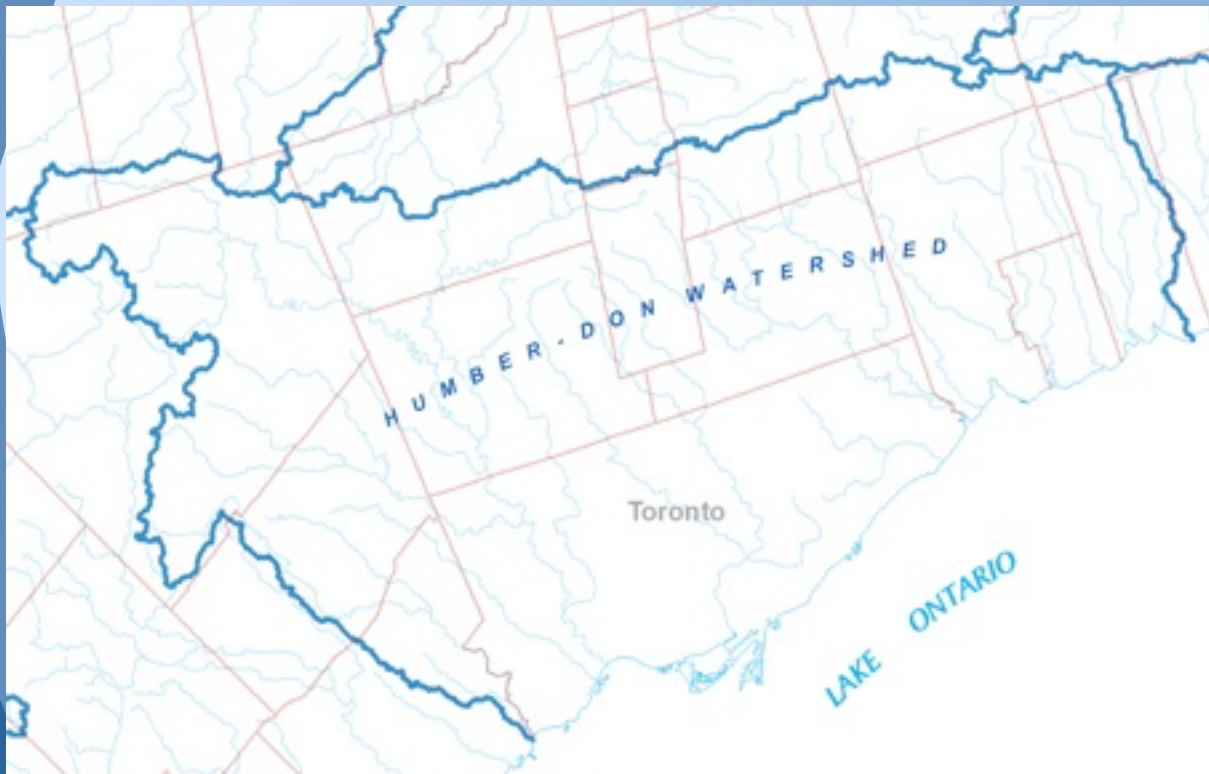
Time, space, data, documentation, visualization

But...



Historical GIS question?

... suggested you may have datasets for the Greater Toronto area relevant to research I am undertaking on hydrologic response to land use change and associated aquatic biodiversity decline. I am interested in GIS files that provide current and historic land use information in the Humber and Don watersheds...



Data on road density or land use change (e.g. proportions of forested, wetland, agricultural, residential, industrial, etc) would be very relevant.

I am working with a hydrologic-climatic dataset that spans 1969 to 2010. Thus land use and/or road density information dating from the 1950's to current day is of interest.

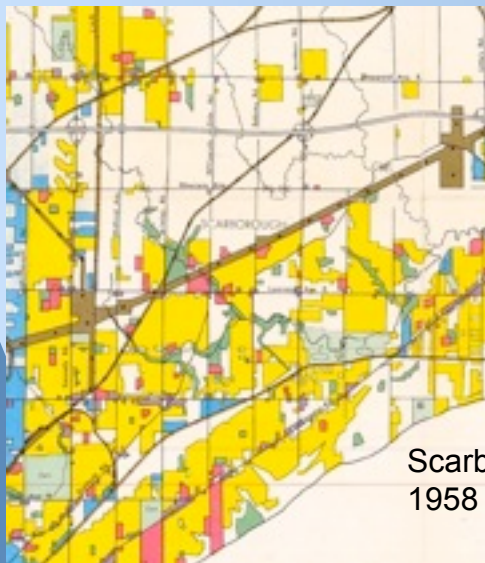
Historical Land use from Official Plans



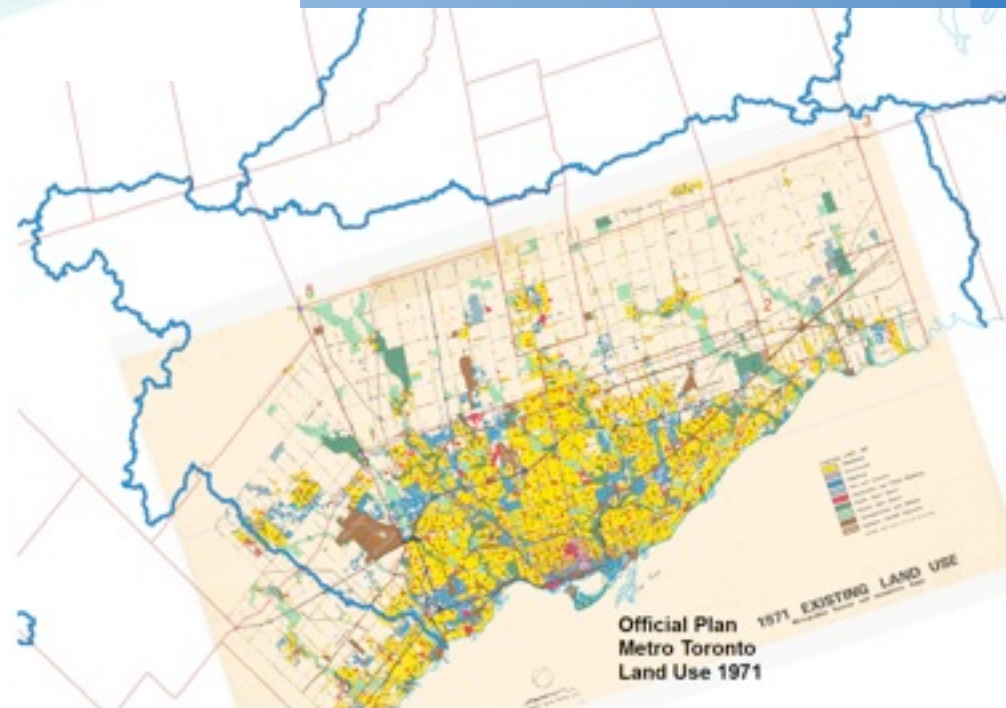
EXISTING LAND USE

- Residential
- Commercial
- Industrial
- Pits and Quarries
- Institutions and Public Buildings
- Public Open Space
- Private Open Space
- Transportation and Utilities
- Sanitary Landfill Operation

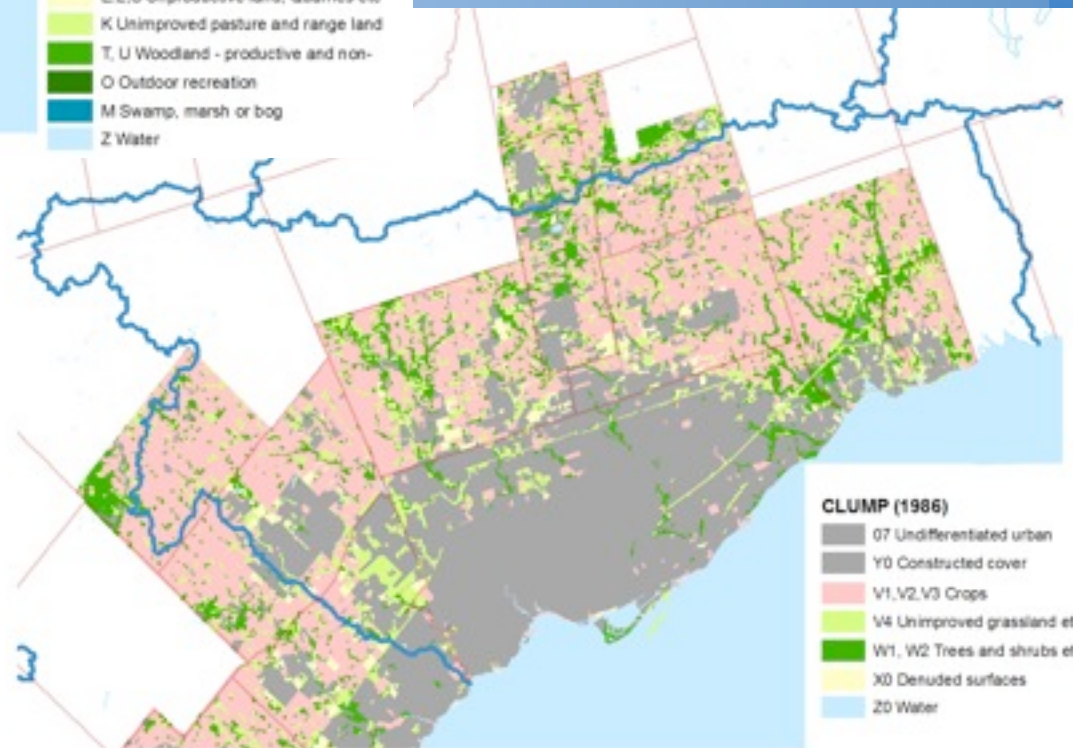
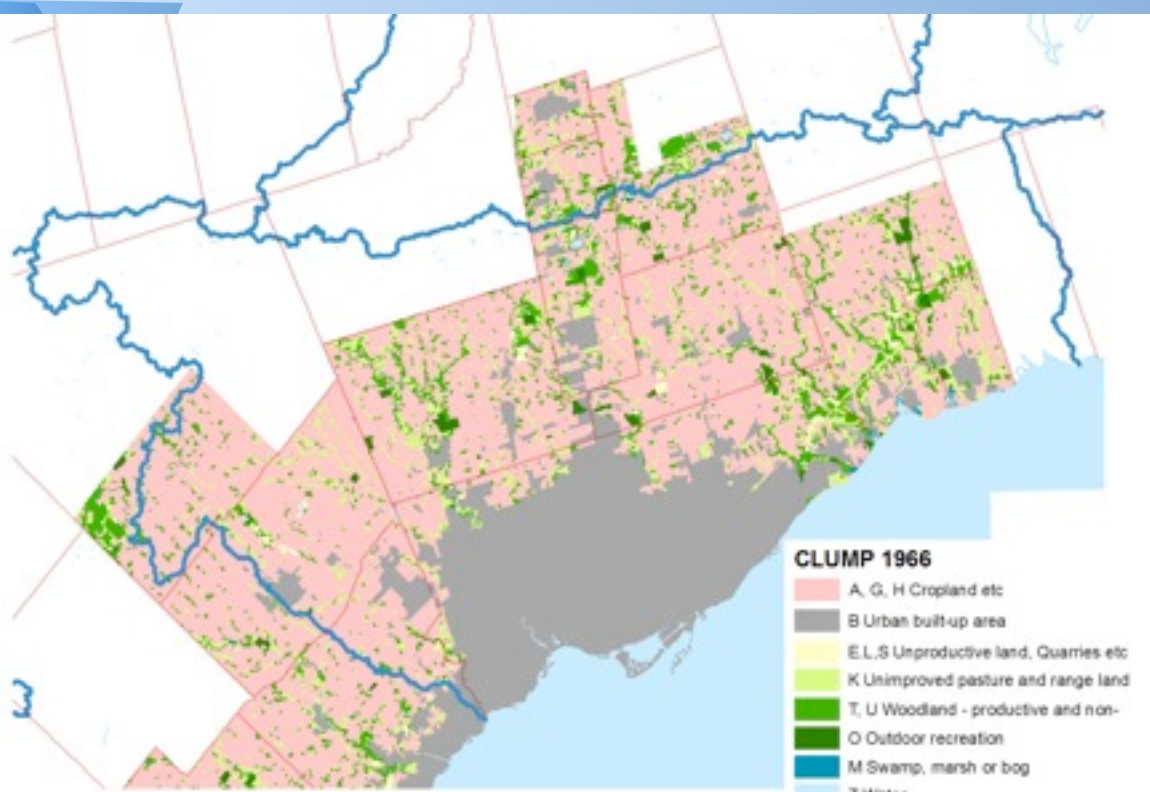
SOURCE: Field survey and aerial photography

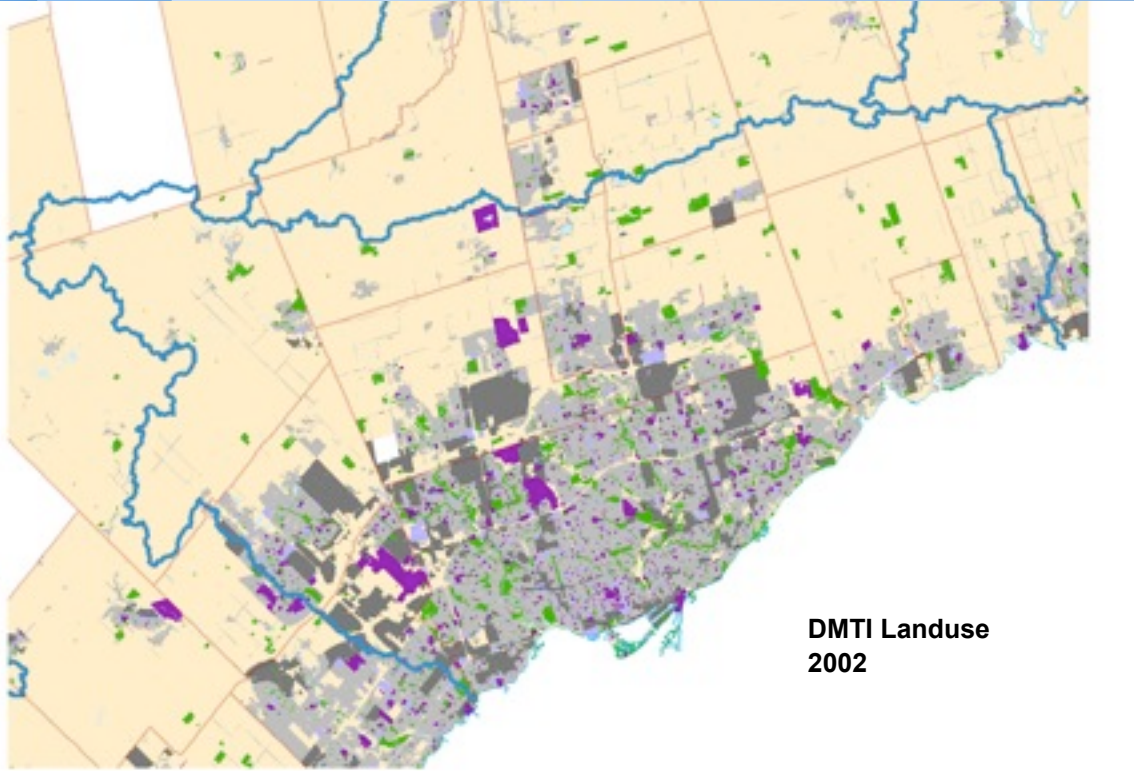


Scarborough
1958



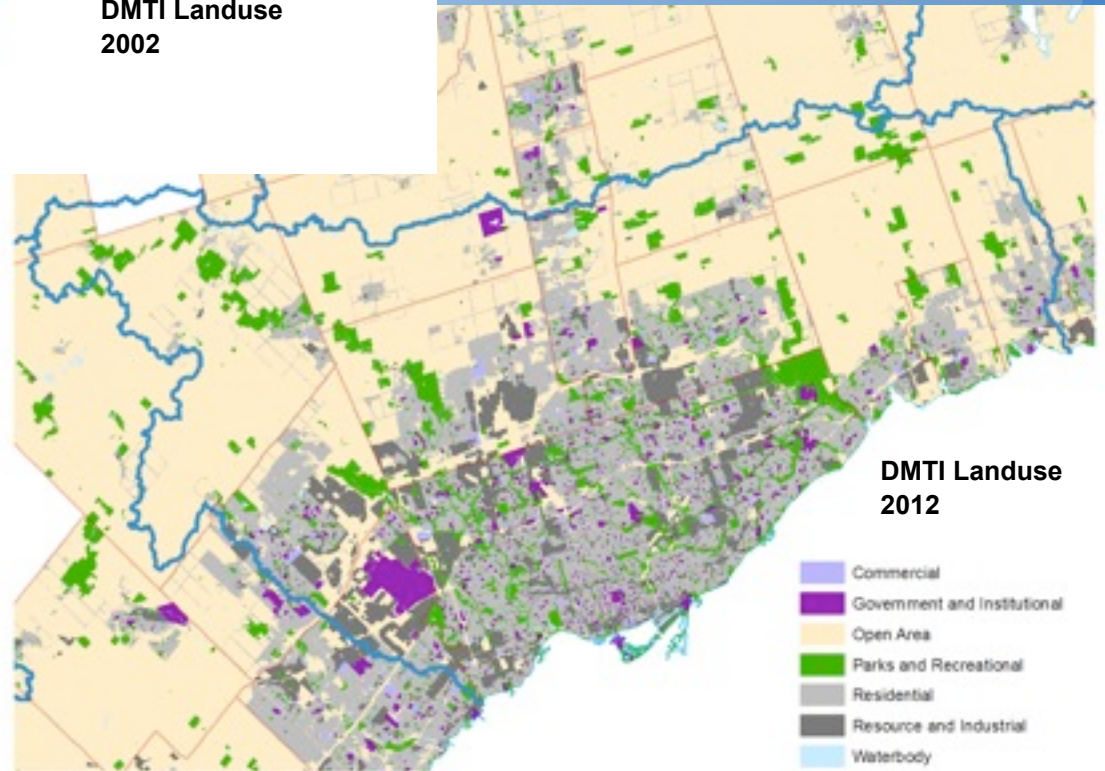
CLUMP Canada Land Use Monitoring Program Methodological changes after 1981





DMTI Landuse
2002

Landuse from
DMTI or other
commercial
data provider



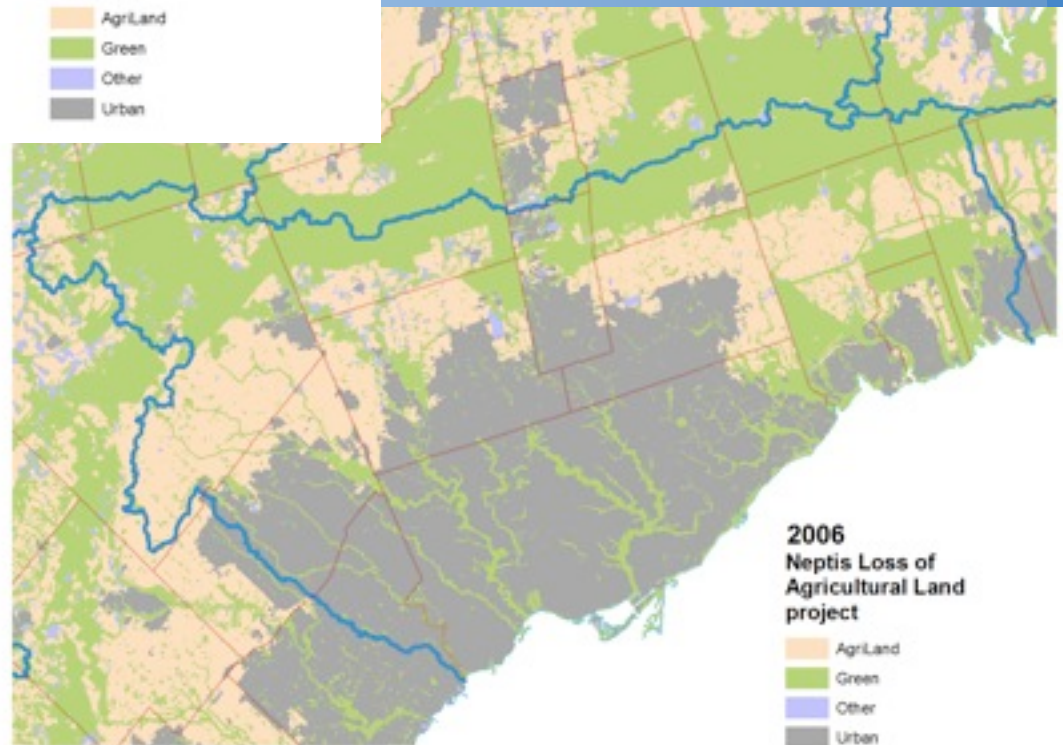
DMTI Landuse
2012



Remote sensed imagery and analysis



Project- based research results



CURLUS Canadian Urban Land Use Survey

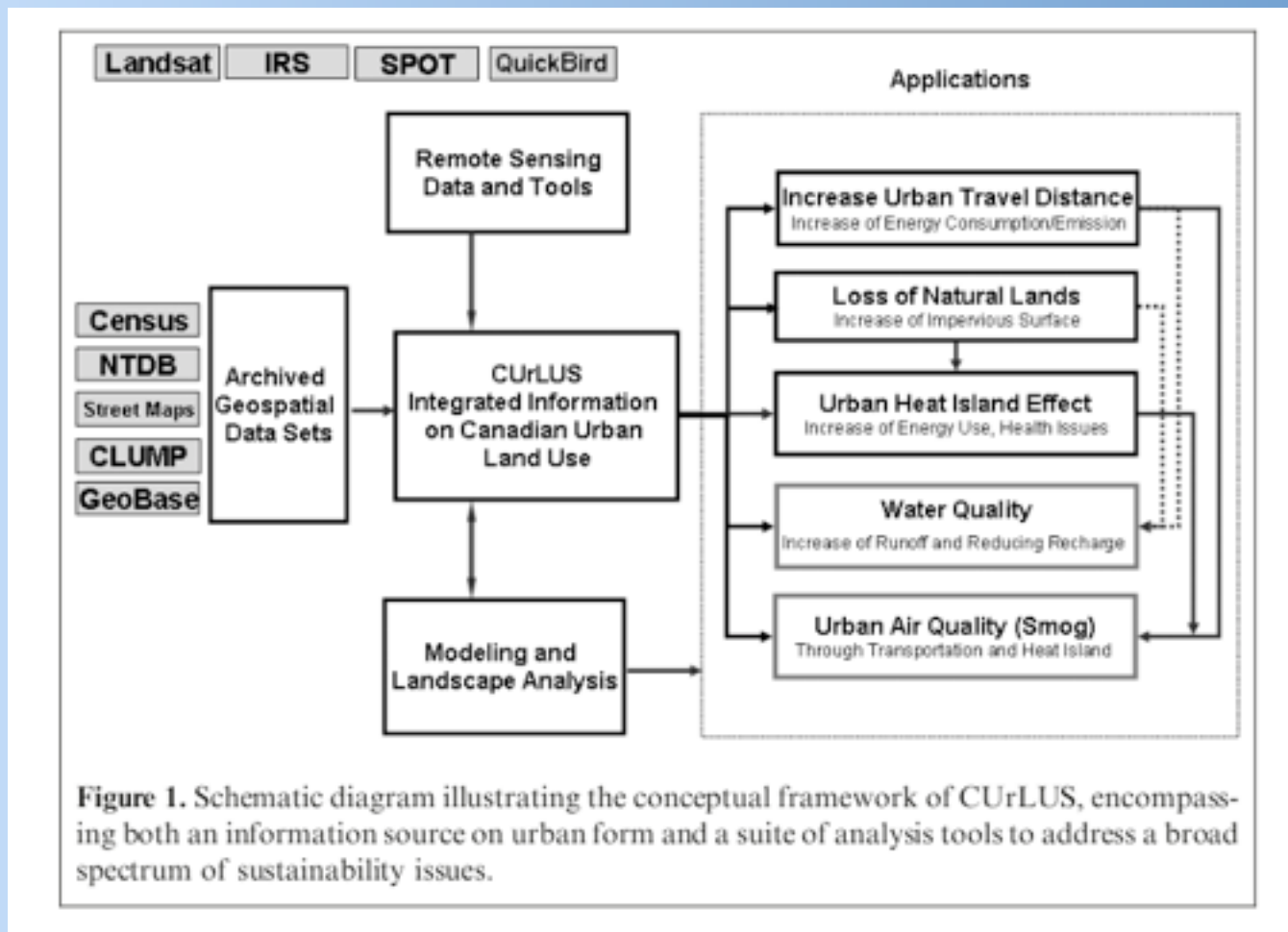
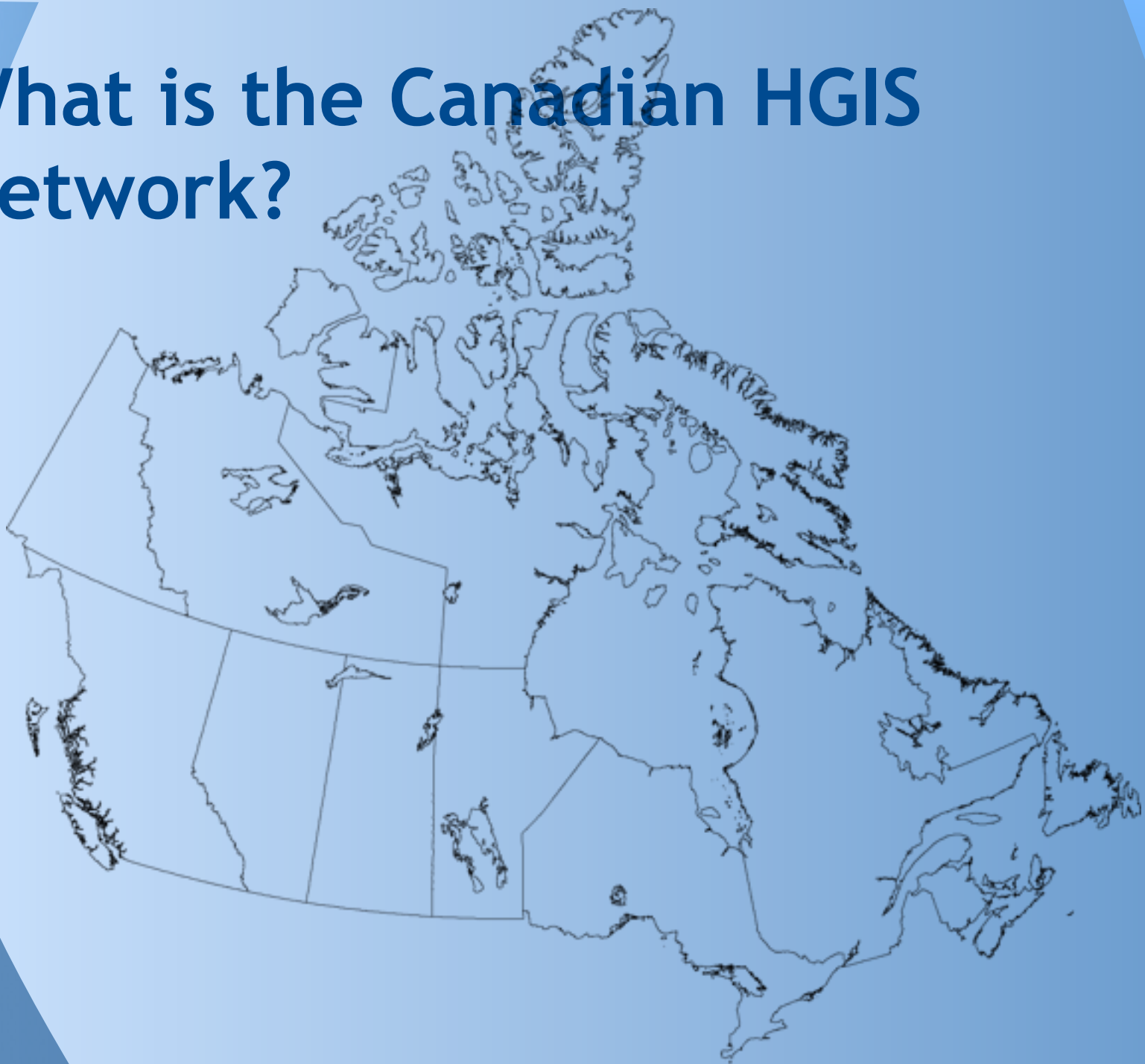


Figure 1. Schematic diagram illustrating the conceptual framework of CURLUS, encompassing both an information source on urban form and a suite of analysis tools to address a broad spectrum of sustainability issues.

Concepts and application of the Canadian Urban Land Use Survey
Can. J. Remote Sensing, Vol. 36, No. 3, pp. 224-235, 2010
Y. Zhang, B. Guindon, K. Sun CCRS/NRCan

What is the Canadian HGIS Network?



Goals of a Canadian Historical GIS Network?

- enable research and communication (between researchers and public)
- share resources
- avoid duplication / “re-digitizing the wheel”

Goals of a Canadian Historical GIS Network

Don Valley Historical Mapping Project

Home | Maps | Data | Don Valley Historical Mapping Project Background

Toronto's Don River Valley is arguably the city's most diverse habitat. As a provider of water, power, transportation, and recreation, it has played an important role in the city's development. The river valley has changed dramatically over the last century, particularly during the late nineteenth and early twentieth centuries. The river valley was largely characterized and the huge marsh at its mouth drained. Lower Valley forms the foundation for one of the most diverse areas in Canada, including residential areas, downtown core and suburban residential areas.

This project documents historical changes in the valley. Drawing from the wide range of geographic information, historical maps, geological maps, historical maps, and city archives, the project uses Geographic Information Systems (GIS) to create a digital archive of historical maps, plans, and other documents. The project is a work in progress. To date, it has made more accessible to researchers and the public historical maps of Toronto and the Don Valley.

Historical GIS Research in Canada

EDITED BY JENNIFER BONNELL AND MARCEL FORTIN

The book features a central image of a historical map with a river and a grid. The title and editors' names are prominently displayed in a teal and green banner.

Ontario County Maps Project

Historical County Maps of Ontario are considered an invaluable source of settlement history. They show the layout of roads, buildings, and other features of the rural landscape, and also contain information on agriculture, industry, and natural features and resources.

This book contains maps known to have been issued between 1850 and 1900, although all or some were produced between 1850 and 1900. They are of many different scales and cover various geographical areas. The book is a valuable resource for researchers, students, and anyone interested in the history of Ontario.

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Regional Environmental History

The focus of this project is on South-Central Ontario, with a particular emphasis on the study of the Don River watershed. The project aims to document the historical changes in the landscape and the impact of human activities on the environment. The project is a work in progress. To date, it has made more accessible to researchers and the public historical maps of Toronto and the Don Valley.

Canadian Research Infrastructure

Research Infrastructure for research on the transformation of Canadian society in the twentieth century. The CRII is a geographical framework constructed to enable the location, selection, aggregation, and analysis of census data, and contextual data, namely the textual data used to obtain the census in time and to enhance appropriate analysis of the data.

Welcome to the User Guide

The CRII represents an infrastructure that facilitates research on the transformation of Canadian society in the twentieth century. The CRII is a geographical framework constructed to enable the location, selection, aggregation, and analysis of census data, and contextual data, namely the textual data used to obtain the census in time and to enhance appropriate analysis of the data.

Organization of the User's Guide

- 1) 1911 Census located on the left of the web page provides researchers with the 1911 database, 1911 Census, 1911 data entry manual, 1911 enumerator instructions, 1911 geography component, and 1911 metadata.
- 2) CRII Overview provides general information concerning the design and use of the CRII database for census years 1961 to 1981.
- 3) The Database provides detailed information concerning the design and use of the CRII database for census years 1911 to 1981.
- 4) Metadata provides supplementary information regarding CRII data. This information is available for each of the CRII databases.

THE METROPOLITAN MUSEUM OF ART

The Metropolitan Museum of Art is a large museum in New York City. It is one of the largest and most influential museums in the world. The museum is located on the corner of 101st Street and Fifth Avenue. It is a major cultural institution and a source of inspiration for many people.

Shared Data discovery tools



GeData@Tufts

Getting Started Search Cart (0) Save Image

SEARCH

Search for data layers... Search

Limit results to visible map area [advanced options](#)

0 RESULTS

Welcome to the Tufts Geospatial Data Repository

Enter a keyword and/or interact with the map to discover geospatial data

Map showing North America with a search bar and navigation controls.



OpenGeoportal

Home

OpenGeoportal.org is a service that brings together geospatial researchers, developers, and users to create a global geospatial data discovery and discovery platform. The OpenGeoportal project is a collaboration between the OpenGeoportal project and the OpenGeoportal project. The OpenGeoportal project is a collaboration between the OpenGeoportal project and the OpenGeoportal project. The OpenGeoportal project is a collaboration between the OpenGeoportal project and the OpenGeoportal project.

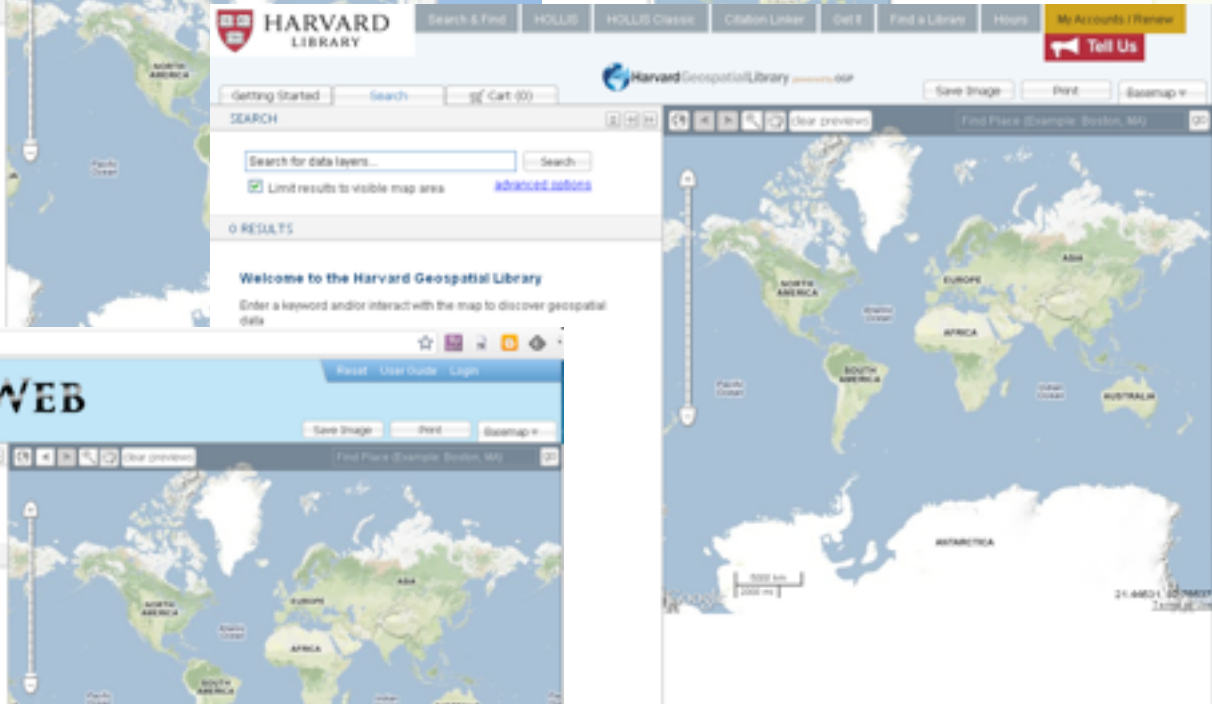
Upcoming Events

Tufts Presents OGP at UN Annual Plenary

Tufts University has been invited to present the Open Geoportal at the United Nations Geographical Information Working Group (UNGIWG) 2012 Annual Plenary in Istanbul, Turkey on February 27th - March 1st. Contact: geodata@tufts.edu

OpenGeoportal NATIONAL SUMMIT

Summer 013



HARVARD LIBRARY

Getting Started Search Cart (0) Save Image Print Basemap v

SEARCH

Search for data layers... Search

Limit results to visible map area [advanced options](#)

0 RESULTS

Welcome to the Harvard Geospatial Library

Enter a keyword and/or interact with the map to discover geospatial data

Map showing a world map with navigation controls and a search bar.



MIT GIS SERVICES GEOWEB

Getting Started Search Cart (0) Save Image Print Basemap v

SEARCH

Search for data layers... Search

Limit results to visible map area [advanced options](#)

0 RESULTS


Welcome to MIT Geoweb

Enter a keyword and/or interact with the map to discover geospatial data

Map showing a world map with navigation controls and a search bar.

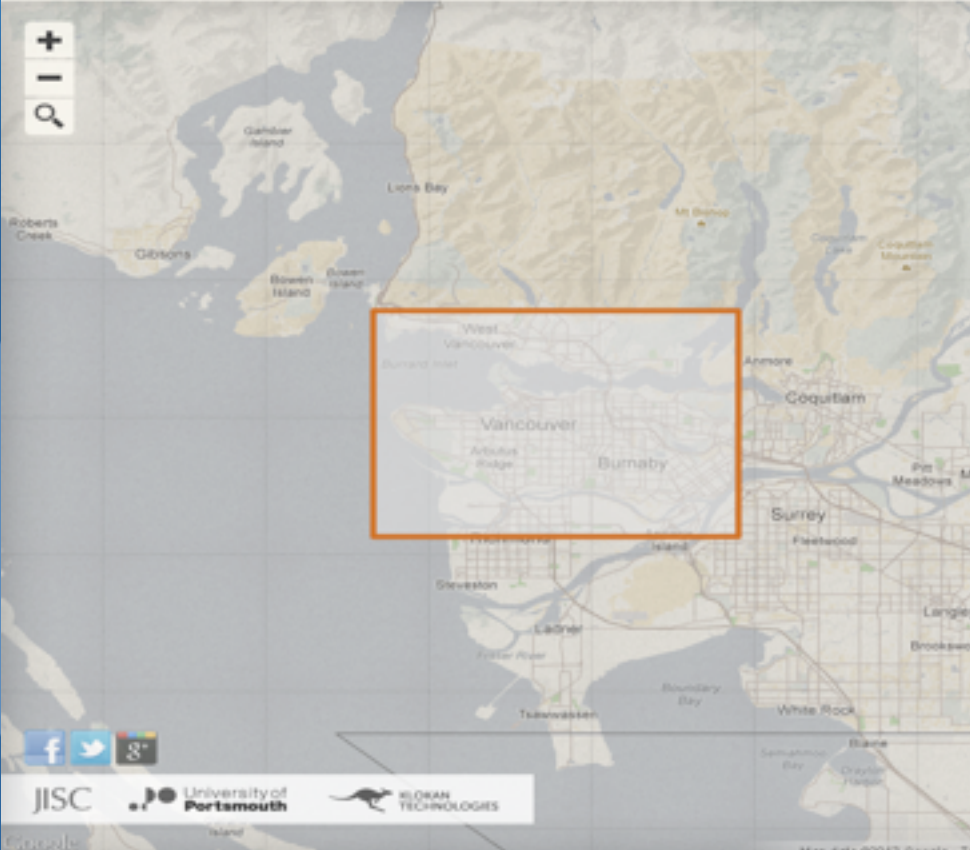
Shared Discovery tools...

www.oldmapsonline.org/#bbox=-123.5289,49.028864,-122.722778,49.485078&q=8-datefrom=3000&date



1000 1500 1700 2010

Search Collections Blog About



Map data ©2013 Google - Imagery ©2013

JISC University of Portsmouth ELORAN TECHNOLOGIES

NOVA HELVETIAE TABULA GEOGRAPHICA

[View this map](#)



Date: 1715
Date of publication: 1715
Map scale: 1:150 000

Creator: Schencker, Johann Jakob
Contributor: Hüber, Johann Heinrich
Publisher: Schencker, Johann Jakob

[View in the catalogue](#) or on the [website](#)



1890 - Shell Oil Company

Southern Vancouver Island, British Columbia, Canada. Coal Resources of the World

FRANCE.

[View this map](#)



Date: 1811
Date of publication: 1811
Map scale: 1:1 250 000

Creator: Johnston, Alexander Keith, 1804-1870
Contributor: Johnston, Alexander Keith, 1804-1870
Publisher: Johnston, Alexander Keith, 1804-1870

[View in the catalogue](#) or on the [website](#)



The Coast of N.W. America. 1841 - Vancouver, Georgia, 1841-1842

Cote NO, l'Amerique 3 1841 - 1842

Tying in existing systems

The image displays three overlapping screenshots from a GIS web application, illustrating the integration of existing systems.

Top-Left Screenshot: Search Results

Scholars GeoPortal

Search: Map (0) Download Login

Data Place or address: Anywhere Search ?

Downloadable content only

Back To Browse

Found 28 results showing results 1 to 10

Sort by: Relevance

Refine:

Keywords

- Property Boundaries (18)
- Streets (16)
- Land Use (13)
- Boundaries (12)
- Roads (12)
- Toronto (12)
- Parcels (11)
- Building Outlines (10)
- Contours (10)
- Transit (8)
- Buildings - Footprints (7)
- Maps (7)
- Railroads (7)
- Addresses (6)
- Highways (6)
- Ontario (6)
- Police (6)
- Traffic (6)
- Utilities (6)

Producers

- Works and Emergency Services, City of Toronto (6)
- Terracot (5)
- City of London (4)
- City of Mississauga (4)
- Ontario Ministry of Natural Resources (2)
- City of London (Ontario)

Results:

- Toronto Property Data Maps (PDMs)**
Access resource Details
Producer: Works and Emergency Services, City of Toronto
Date published: 2006-01-01 publication
Type of data layer: Vector
- City of London Mapping Data Distribution**
Access resource Details
Producer: City of London (Ontario)
Date published: 2006-01-01 publication
Type of data layer: Not specified
- Toronto Property Data Maps (PDM)**
Access resource Details
Producer: Works and Emergency Services, City of Toronto
Date published: 2006-01-01 publication
Type of data layer: Vector
- Toronto Property Data Maps (PDM)**
Access resource Details
Producer: Works and Emergency Services, City of Toronto
Date published: 2006-01-01 publication, 2007-01-01 publication
Type of data layer: Vector
- Toronto Property Data Maps (PDMs)**
Access resource Details
Producer: Works and Emergency Services, City of Toronto
Date published: 2006-01-01 publication
Type of data layer: Vector

Top-Right Screenshot: University of Toronto Map & Data Library

UNIVERSITY OF TORONTO MAP & DATA LIBRARY

U of T HOME PORTAL RSS

Welcome to University of Toronto Libraries

HOME GEOSPATIAL DATA COLLECTION DIGITAL MAP COLLECTION

Home

GIS Data Inventory - Search results for "property data maps"

The miniature U of T crest indicates that the item is licensed for use by members of the University of Toronto community; use by others is restricted. Please read the Conditions of Use for Electronic Resources for more information. A blue arrow indicates that U of T restricted items can be downloaded directly; a black arrow indicates a link to an outside resource. Click on the arrow for direct access to the resource; click on the resource title for further information.

- Digital Property Data Maps (1990)**
Creation Date: 1990-01-01
Creator: City of Toronto
Access: CD-ROM [023]
Type of Resource: Geospatial Data / Air Photos
More ...
- Toronto Digital Property Data Maps (PDM) (2006-)**
Creation Date: 2002-01-01
Creator: Work & Emergency Services, City of Toronto
Datum: NAD 27
Projection: MTM Zone 10
Scale: 1:2,000
Access: By Request CD-Rom #023, #023.1, #023.2 (PDF) #30.1 & #30.2 and Local Intranet
Type of Resource: Geospatial Data / Air Photos

Bottom Screenshot: Map Interface

maps.library.utoronto.ca/cgi-bin/search.pl?keyword=property+data+maps&lib=UNOSCANES

Searching...

Done searching

Map of Canada and the United States with a search bar and a 'Done searching' message.

Standards

The screenshot displays the OGC website with the following elements:

- Header:** www.opengeospatial.org, navigation buttons (Have an idea?, INSPIRE, What is the OGC?), and the OGC logo with the tagline "Making location count."
- Navigation:** Home, Standards, Programs, Participate, News & Events, About OGC, Member Login, and a search bar.
- Main Content:** A central diagram titled "Geospatial and location standards for:" with a central "Open" node. The diagram branches into several categories:
 - Share:** Includes Spatial Policy, Interoperability, Information Integration, and Geosynchronization.
 - Open:** Includes Earth Observation, Navigation, Open Source, CAD, and Where.
 - Points of Interest:** Includes Proximity, Global, Place, and Linked Data.
 - Geoweb:** Includes Sensor Web, Geosemantics, and Shared Understanding.
 - Situational Awareness:** Includes Real Time, Visualization, and Alerts.
 - Other:** Includes Data Quality, Weather, and Climate.
- Left Column:** A list of application areas: Aviation, Built Environment & 3D, Business Intelligence, Defense & Intelligence, Emergency Response & Disaster Management, Geosciences & Environment, Government & Spatial Data Infrastructure, Mobile Internet & Location Services, Sensor Webs, and University & Research.
- Footer:** Copyright notice (© 1994 - 2013 Open Geospatial Consortium), social media links (Join OGC LinkedIn, Follow OGC on Twitter, RSS Feeds), and OGC Member Portal (OGC Network, OGC Compliance Testing, Upcoming Events).

Standards - Metadata

www.iso.org/iso/catalogue_detail.htm?number=26020

ISO
Standards Catalogue

ISO 19115:2003
Geographic information -- Metadata

Media and price

	Price	Language
<input checked="" type="checkbox"/> PDF	CHF 224.00	English
<input type="checkbox"/> Paper	CHF 224.00	English

Abstract

ISO 19115:2003 defines the schema required for describing geographic information and services. It provides information about the identification, the extent, the quality, the spatial and temporal schema, spatial reference, and distribution of digital geographic data.

ISO 19115:2003 is applicable to:

- the cataloguing of datasets, clearinghouse activities, and the full description of datasets;
- geographic datasets, dataset series, and individual geographic features and feature properties.

ISO 19115:2003 defines:

- mandatory and conditional metadata sections, metadata entities, and metadata elements;
- the minimum set of metadata required to serve the full range of metadata applications (data

www.fgdc.gov/metadata/geospatial-metadata-standards

fgdc
Federal Geographic Data Committee

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you are here: Home > metadata > geospatial metadata standards

Geospatial Metadata Standards

Most NSDI stakeholders have long utilized the Content Standard for Digital Geospatial Metadata (CSDGM) geospatial metadata standards are emerging in the community. FGDC policy states that non-Federally authorized status as FGDC developed standards. Since ISO 19115 and the associated standards are endorsed by the metadata as their agencies are able to do so. While the selection of appropriate standards is dependent on ISO metadata should be considered an option now. It's recognized that the transition to ISO metadata is

- FGDC Endorsed ISO Metadata Standards Do Organizations Utilize?
 - Which ISO Metadata Standards Do Organizations Utilize?
 - Should Our Agency be using ISO Metadata?
 - ISO Metadata Implementation is Happening
- The Content Standard for Digital Geospatial Metadata (CSDGM)
 - CSDGM Resources
 - CSDGM Profiles and Extensions
- The North American Profile (NAP) of the ISO 19115: Geographic Information - Metadata
 - Status of the North American Profile (NAP)
 - Preparing for the North American Profile (NAP)
 - North American Profile (NAP) Resources
 - Purchasing the North American Profile (NAP)

Standards - conversion/ reconstitution

Off-campus University of Toronto users login to [myaccess first](#)

Available spatial data and metadata can be searched by year of release from the University of Toronto Library Service

	2006	2001	1996	1991	1986	1981	1971	1851-1961	1871
Census agricultural regions (CA)		X	X		X				
Census rural and urban population (CR)		X	X	X	X				
Census divisions (CD)	X	X	X	X	X	X	X	contact GEORIS	All Canada, Quebec, Ontario, Maritime [ATLAS GIS format]
Census division economic files	X	X	X	X	X	X			All C...

Transformer Gallery

- GeometryFilter
- GeometryInterpolator
- GeometryOCValidator
- GeometryPropertyExtractor
- GeometryPropertyRenamer
- GeometryPropertySetter
- GeometryReplacer
- GeometryReplacer
- GeoJSONFeatureExtractor
- GeoJSONFeatureReplacer
- GMLFeatureExtractor

GMLFeatureExtractor

Constructs GML2 documents from the input features and stores them in the specified attribute for the features that are output by the GML2 port. The GML2 documents written under the attribute conform to the GML 2.0 schema.

Log | Transform Description

GDAL - Geospatial Data Abstraction Library

Select language: [English][Russian][Portuguese][French/Français]

GDAL is a translator library for raster geospatial data formats that is released under an [X/MIT style Open Source license](#) by the Open Source Geospatial Foundation. It also comes with a variety of useful commandline utilities.

The related OGR library (which lives within the GDAL source tree) provides a similar capability for simple features vector data.

Master: <http://www.gdal.org>
Download: <http://remotesensing.org>, <http://download.osgeo.org>

User Oriented Documentation

- Wiki - Various user and developer contributed documentation and hints
- Downloads - Ready to use binaries (executables)
- Supported Formats : GeoTIFF, Erdas Imagine, SDTS, ECW, MrSID, JPEG2000, DTED, NTIF, ...
- GDAL Utilities Programs | gdautils, gdal_translate, gdaladdo, gdalwarp, ...
- GDAL Data Model
- GDAL/OGR Governance and Community Participation
- GDAL Service Provider Listings (Not vetted)
- GDAL Acknowledgements and Credits
- Sponsors, Acknowledgements and Credits
- Software Using GDAL

Developer Oriented Documentation

- Building GDAL From Source
- Downloads - source code
- API Reference Documentation
- GDAL API Tutorial
- GDAL Driver Implementation Tutorial
- GDAL Warp API Tutorial
- OGRSpatialReference Tutorial
- GDAL C API
- GDAL Algorithms C API
- GDALDataset C++ API
- GDALRaster C++ API
- GDAL for Windows CE

Mailing List

A gdal-announce mailing list subscription is a low volume way of keeping track of major developments with the GDAL/OGR project.

The gdal-devel@lists.osgeo.org mailing list can be used for discussion of development and user issues related to GDAL and related tech since 2005 and is also available in read-only format by NNTP at news-1@news.gmane.org or news.gmane.com:gdal-devel and by HTTP

Standards - Licensing

www.nationalarchives.gov.uk/doc/open-government-licence/

delivered by **The National Archives**
[Back to The National Archives](#)

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Data

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- WHEREAS** Canada is the owner of or has rights in the data (the Data) addressed by the terms and conditions of this Agreement;
- AND WHEREAS** the Licensee wishes to obtain certain rights to the Data, on terms and conditions herein contained;
- AND WHEREAS** Canada represents that it has full authority to grant the rights desired by the Licensee on the terms and conditions herein contained;
- AND WHEREAS** the parties hereto are desirous of entering into a licence agreement on the basis herein set forth.

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1.0 DEFINITIONS

- Canada's Data** means any and all Data, the Intellectual Property Rights of which vest with Canada.
- Canada's Licensed Rights** means those rights conferred upon Canada by third parties over the use of Data which is not Canada's Data.
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- Derivative Products** means any product, system, sub-system, device, component, material or software that incorporates or uses any part of the Data.
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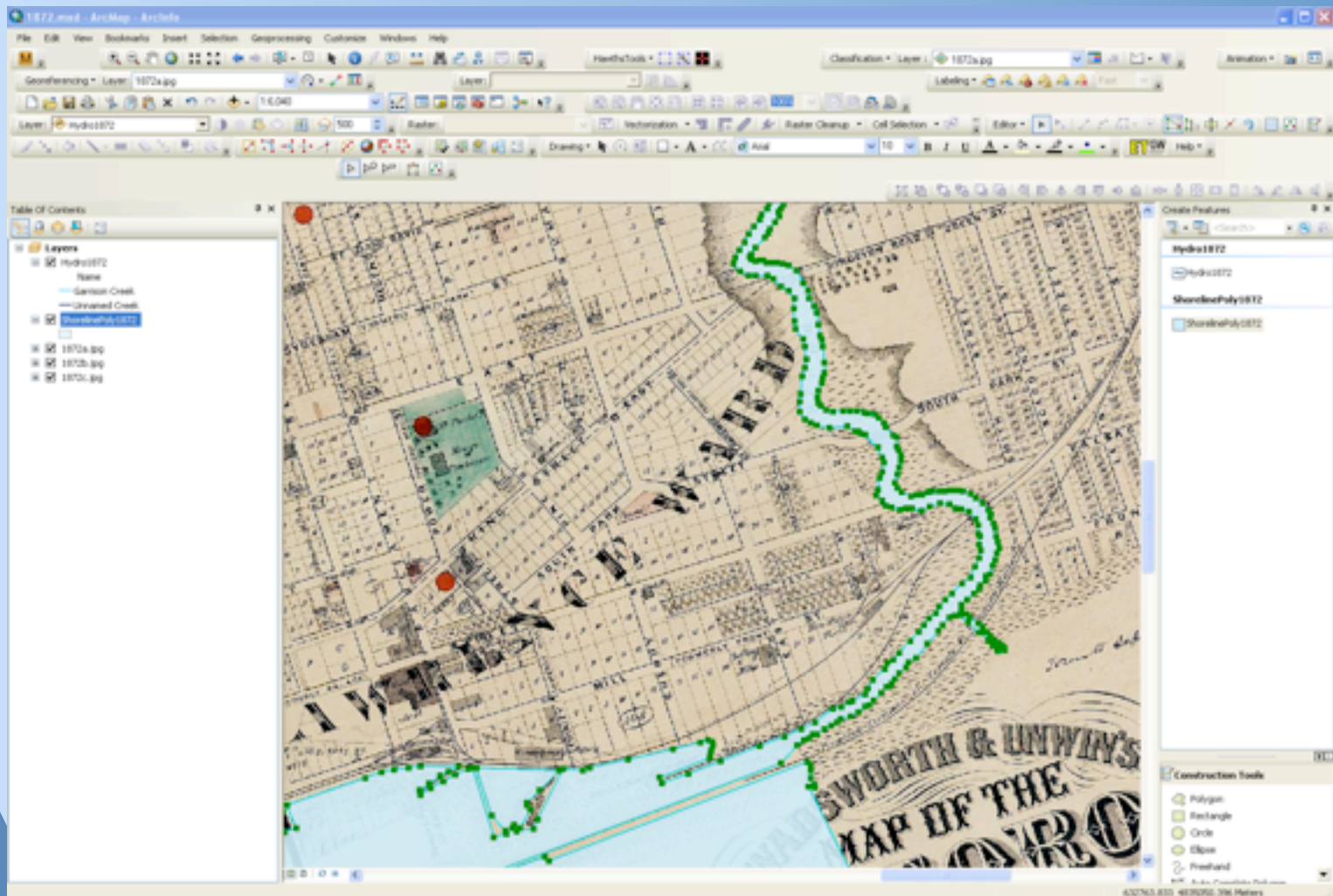
Best Practices - Georeferencing



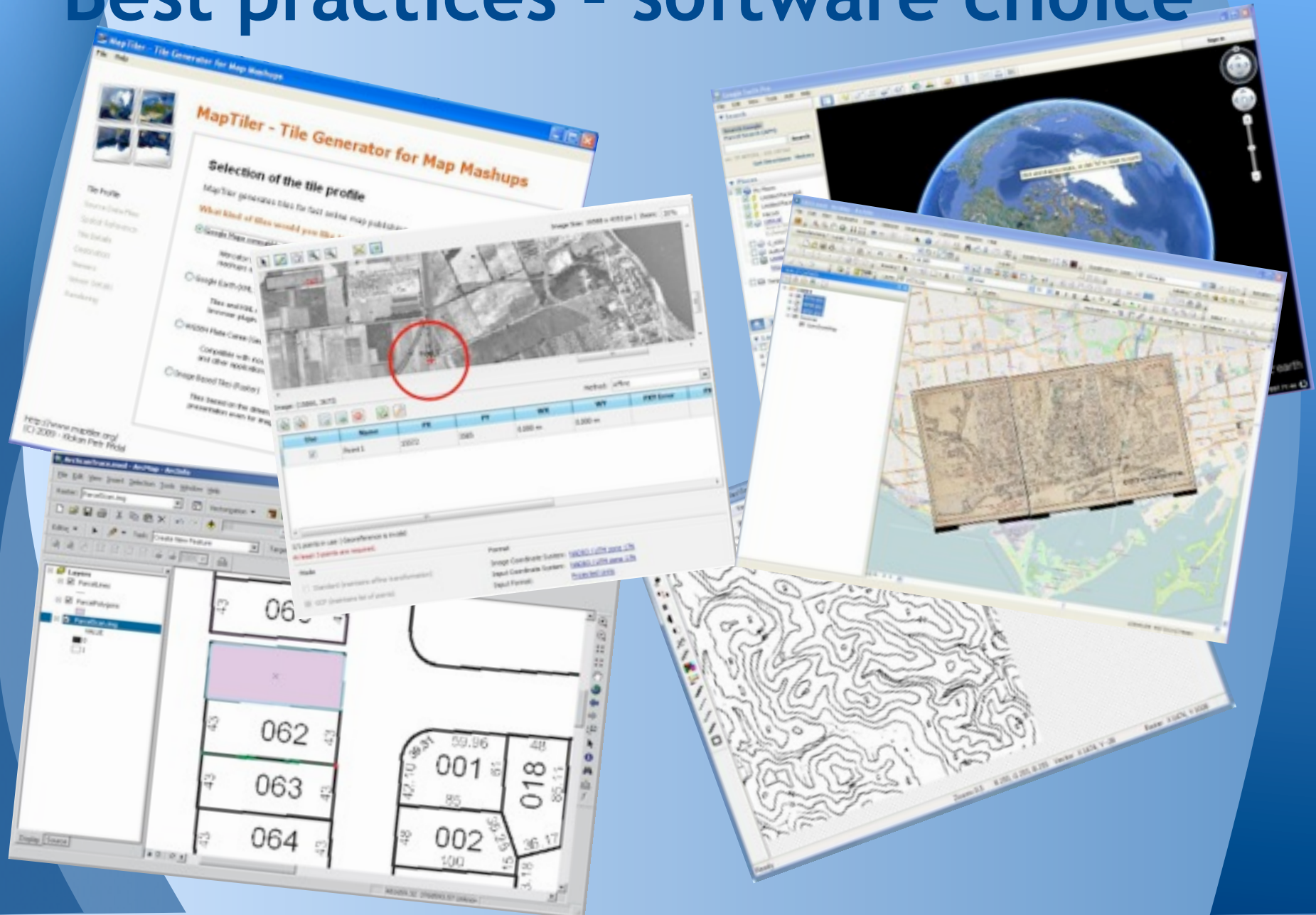
Best practices - mosaicing



Best practices - vectorization



Best practices - software choice



Project data dissemination for "Orphan" data, "lost" and forgotten



Canadian Families Project

The Canadian Families Project is an interdisciplinary project based at the University of Victoria. The project has been completed in Canada, and has completed a national project in Canada. Project funding ended in 2007. Project funding ended in 2007. Project funding ended in 2007.

Welcome to the Historical Atlas of Canada Online Learning Project

The Historical Atlas of Canada project publishes volumes which explored major themes in the history of Canada using maps, text, and interactive online. Interact with the data and the maps.

Canadian Century Research Infrastructure Infrastructure de recherche sur le Canada au 20e siècle

Reconstructed Census Geography GIS layers

For each census year, a series of boundary polygon files are provided. These files reconstruct the census compilation and dissemination geography of that year. GIS layers are provided to users in the ESRI "shape file" format. Files are provided for the entire country at the Census division (CD) and Census subdivision (CSD) levels of geography.

- CCRJ CANADA CENSUS DIVISIONS 1911
- CCRJ CANADA CENSUS DIVISIONS 1921
- CCRJ CANADA CENSUS DIVISIONS 1931
- CCRJ CANADA CENSUS DIVISIONS 1941
- CCRJ CANADA CENSUS DIVISIONS 1951
- CCRJ CANADA CENSUS SUBDIVISIONS 1911
- CCRJ CANADA CENSUS SUBDIVISIONS 1921
- CCRJ CANADA CENSUS SUBDIVISIONS 1931
- CCRJ CANADA CENSUS SUBDIVISIONS 1941
- CCRJ CANADA CENSUS SUBDIVISIONS 1951

The Atlas of Canada

L'Atlas du Canada

Earth Sciences Sector
Secteur des sciences de la Terre



Avis importants

English

Français

Important Notices

Data Curation?



The screenshot shows a web browser window with the URL https://www.archivemata.org/wiki/Main_Page. The page features the Archivemata logo, which consists of a blue '@' symbol followed by the word 'archivemata' in a serif font. Below the logo, there are two tabs: 'Page' and 'Discussion', with 'Page' being the active tab. The main content area is titled 'Main Page' and contains a section titled 'What is Archivemata?'. This section describes Archivemata as a free and open-source digital preservation system designed for digital objects. It mentions that Archivemata uses a micro-services design pattern and is compliant with the ISO-OAIS functional model. It also lists the metadata standards used: METS, PREMIS, and Dublin Core. The text concludes by pointing to an overview section and a screencast for more information.

Navigation

- Main page
- Recent changes
- Random page

Toolbox

- What links here
- Related changes
- Special pages
- Printable version
- Permanent link

Page Discussion

Main Page

What is Archivemata?

Archivemata is a free and open-source [digital preservation](#) system that is designed to digital objects.

Archivemata uses a [micro-services](#) design pattern to provide an integrated suite of so ingest to access in compliance with the ISO-OAIS functional model. Users monitor and Archivemata uses METS, PREMIS, Dublin Core and other best practice metadata str analysis of the [significant characteristics](#) of file formats.

The [overview](#) section provides a detailed description of Archivemata's functionality and [screencast](#) gives a demo of the core features in the current release.

Other Goals and Objectives

- Create a community
- Foster Conversations
- Prevent duplication
- Promote Literacy
- Build teaching tools

Other examples

The screenshot shows the NHGIS website with a navigation menu on the left containing links for Data, User Reviews, Data Availability, and Research. The main content area features a 'Welcome to NHGIS' message and a map of the United States with a legend. A 'Select Data' button is visible at the bottom left.

The screenshot displays the University of Portsmouth website for GBHGIS. It includes a navigation bar with 'Courses' and 'Research' tabs. The main heading is 'Great Britain Historical Geographical Information System (GBHGIS)'. Below this, there is an 'Explore' section with links for 'About the GBHGIS', 'About the project', and 'About history of GIS'. A map of Great Britain is shown on the right side.

The screenshot shows the 'Spatial Humanities | Projects & Groups' website. It features a central map titled 'NYPL Map Rectifier' with navigation arrows. Below the map are two buttons: 'View All Projects' and 'View All Groups'. The website is a project of the Institute for Enabling Geospatial Scholarship.

The screenshot shows the 'The Historical GIS Research Network' website. It has a blue header and a sidebar with a 'What is HGIS?' section. The main content area includes a 'Latest' news item about the 'European Social Science History Digital History network' and a list of four goals for the network. A 'Select Data' button is also visible.

The screenshot shows the 'The Spatial History Project' website from Stanford University. It features a large image of a field with a sign that says '718'. The website includes a 'RECENT UPDATES' section and a 'Student Opportunities' section. The Stanford University logo is in the top right corner.

Next steps

- Community creation (librarians, archivists, historians, geographers, cartographers, etc.)
- Assembly of collaborators (pitching in)
- Discussion of terms of reference

Next steps - collaborator decisions

- data portal?
- discovery?
- data archive?
- best practices / knowledge base?
- data creation / enhancement?

Next Steps

- Funding

- SSHRC - Partnerships/Dev't Program?
- SSHRC - Connections Program?

"Guidelines and support for tools for research and research-related activities are under development, to be announced during fiscal year 2012-13."

- Canadian Foundation for Innovation (CFI) - Research Infrastructure Development?
- Joint applications with Partners?

Potential collaboration / partnerships?

- NRCan
- Statistics Canada
- Provincial Bodies
- NiCHE
- Scholars Portal
- LAC

Canadian Historical GIS so far

hgis-sigh-l@listserv.utoronto.ca

subscribe by sending email to:
listserv@listserv.utoronto.ca

“subscribe hgis-sigh-l
yourmail@youraddress.ca
Firstname Lastname”

Canadian Historical GIS so far

<http://www.hgis-sigh.ca>



← → ↻ www.hgis-sigh.ca

Apple Yahoo! Topsy - Real-time s Google Maps TinyURL! Wikipedia YouTube News

CANADIAN HISTORICAL GIS NETWORK

PRESENTATION LISTSERV CONTACT



"using GIS to create new knowledge and new scholarship about the geographies of the past."
Ian Gregory, 2008

Welcome Canadian Historical GISers

Welcome to the Canadian Historical Geographic Information System Network website. Our purpose is to gather together like-minded others who think Historical GIS work in Canada would benefit from additional coordinated resources, and wish to work together towards this goal.

A presentation outlining the justification and some possible strategies for establishing such a network will take place at Carto 2013, on Friday June 14, 2013. See the links above.

This group is also starting a listserv to circulate information about the project, and to share proposals and comments among the group.

We invite historical geographers, cartographic and GIS specialists, map librarians and archivists, and anyone else with a determination to advance the practice of GIS for historical purposes to join us. Welcome!

What's missing?